

## **RPS GENE FAMILY, PRIMERS, PROBES, AND DETECTION METHOD**

### **Abstract of the Invention**

The invention relates to a method of identifying a plant disease-resistance gene that includes the steps of (a) providing a plant tissue sample; (b) introducing by biolistic transformation into the plant tissue sample a candidate plant disease-resistance gene; (c) expressing the candidate plant disease-resistance gene within the plant tissue sample; and (d) determining whether the plant tissue sample exhibits a disease-resistance response, whereby a response identifies a plant disease-resistance gene.